

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER INDENTIFIERS**

- C1
for
5/27/03
1. (Currently amended) A stable resonator for solid-state lasers with a laser rod which exhibit exhibits a thermally induced positive lensing effect, with a laser rod, a rear mirror and a semi-reflecting output mirror, wherein the rear mirror is convex, the end of the laser rod facing the rear mirror is also convex, and the output mirror is arranged in close proximity to a short distance from the other end of the laser rod, so that the laser rod is
arranged asymmetrically between the output mirror and the rear mirror.

2. (Previously amended) The resonator according to claim 3, wherein the semi-reflecting end of the laser rod is formed planar.

- C2
3. (Currently amended) ~~The resonator according to claim 1~~ A stable resonator for solid-state lasers with a laser rod which exhibits a thermally induced positive lensing effect, a rear mirror and a semi-reflecting output mirror, wherein the rear mirror is convex, and wherein the end of the laser rod facing the rear mirror is also convex, wherein the output mirror is formed by the end of the laser rod.

4. (Currently amended) A stable resonator for solid-state lasers with a laser rod which ~~exhibit~~ exhibits a thermally induced positive lensing effect, ~~with a laser rod,~~ a rear mirror and a semi-reflecting output mirror, wherein the rear mirror is convex, the end of the laser rod facing the rear mirror is planar, the other end of the laser rod is convex, and the output mirror is formed by the other end of the laser rod, wherein this end is semi-reflecting.

C²
cont'd

5. (Currently amended) A stable resonator for solid-state lasers with a laser rod which ~~exhibit~~ exhibits a thermally induced positive lensing effect, ~~with a laser rod,~~ a rear mirror and a semi-reflecting output mirror, wherein the rear mirror is convex, the end of the laser rod facing the rear mirror is planar, the other end of the laser rod is convex, and the output mirror is arranged in ~~close proximity to~~ a short distance from the other end of the laser rod, so that the laser rod is arranged asymmetrically between the output mirror and the rear mirror.
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6. (Previously amended) The resonator according to claim 1, wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.
7. (Previously amended) The resonator according to claim 5, wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.

8. (Previously amended) The resonator according to claim 4, wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.

Claim 9 (Cancelled)

10. (Previously amended) The resonator according to claim 1, wherein the output mirror is arranged at a distance of less than approximately 10 mm to the other end of the laser rod.
11. (Previously amended) The resonator according to claim 5, wherein the output mirror is arranged at a distance of less than approximately 10 mm to the other end of the laser rod.